

## CLAIMS

1. An electrophoretic dispersion liquid for an  
5 electrophoretic display apparatus, comprising:

a plurality of electrophoretic particles each  
surface of which is modified by one of a basic group  
and an acidic group,

a liquid for holding said electrophoretic  
10 particles to be dispersed therein, and

a polydiene, having the other group, dissolved  
in said liquid.

2. A liquid according to claim 1, wherein said  
15 polydiene is a graft polydiene having a grafted acidic  
group or a grafted basic group.

3. A liquid according to Claim 1 or 2, wherein  
said polydiene is a polybutadiene.

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4. A liquid according to Claim 1 or 2, wherein  
said polydiene is a polyisoprene.

5. A liquid according to Claim 1, wherein said  
25 polydiene has an average molecular weight of  
1,000 - 100,000.

6. A liquid according to Claim 1, wherein said polydiene has 1 - 50 acidic groups or basic groups per one molecule.

5 7. A liquid according to Claim 1, wherein said electrophoretic dispersion liquid contains said polydiene in an amount which is 0.01 to 3 times a weight of said electrophoretic particles.

10 8. A liquid according to Claim 1, wherein said polydiene is dissolved in said liquid in a temperature range of -20 to 0 °C.

9. A liquid according to Claim 1, wherein said  
15 liquid is a nonpolar solvent.

10. A display apparatus, comprising:  
an electrophoretic dispersion liquid which  
comprises a plurality of electrophoretic particles  
20 each surface of which is modified by one of a basic  
group and an acidic group, a liquid for holding said  
electrophoretic particles to be dispersed therein, and  
a polydiene, having the other group, dissolved in said  
liquid;  
25 a closed cell for holding said electrophoretic  
dispersion liquid, and  
a first electrode and a second electrode for

generating an electric field in said closed cell, said electric field being a voltage of a polarity which is alternately changed is applied between said first and second electrodes and moving said electrophoretic  
5 particles.